

FORM PTO-1390 (Modified)
(REV 11-2000)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371**

0430/03001

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR

10/030402

INTERNATIONAL APPLICATION NO.
PCT/JP00/04503

INTERNATIONAL FILING DATE
06 July 2000

PRIORITY DATE CLAIMED
08 July 1999

TITLE OF INVENTION

SOIL MEASURING APPARATUS, SOIL MEASUREMENT ASSISTING DEVICE AND METHOD, RECORDING MEDIUM ON WHICH A PROGRAM IS RECORDED, RECORDING MEDIUM ON WHICH DATA IS ...

APPLICANT(S) FOR DO/EO/US

Sakae SHIBUSAWA, Shinichi HIRAKO, Atsushi HISANO, Kizo YAMAZAKI and Toru TAKENOBU

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☒ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☒ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☒ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

Items 13 to 20 below concern document(s) or information included:

13. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☐ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A change of power of attorney and/or address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
20. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
22. ☒ Certificate of Mailing by Express Mail
23. ☒ Other items or information:

PCT Request (5 pages); PCT Notification of Address Change for Applicant and Inventors (6 pages); English Translation International Search Report (2 pages); Demand for Preliminary Examination (1 page); Printed Publication (pages 1 and 2); PCT Form 202 (1 page); PCT Form 402 (1 page); PCT Form 308 (1 page); PCT Form 304 (1 page) and PCT Form 332 (1 page).



U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.492(a)(1)) 10/0304	INTERNATIONAL APPLICATION NO. PCT/JP00/04503	ATTORNEY'S DOCKET NUMBER 04730/003001
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24. The following fees are submitted.:

BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :

- | | |
|--|------------------|
| <input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO | \$1040.00 |
| <input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO | \$890.00 |
| <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO | \$740.00 |
| <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) | \$710.00 |
| <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) | \$100.00 |

ENTER APPROPRIATE BASIC FEE AMOUNT =

Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492 (e)).	<input type="checkbox"/> 20	<input type="checkbox"/> 30	
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CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	38 - 20 =	18	x \$18.00		\$324.00
Independent claims	22 - 3 =	19	x \$84.00		\$1,596.00
Multiple Dependent Claims (check if applicable). <input checked="" type="checkbox"/>					\$280.00

TOTAL OF ABOVE CALCULATIONS =**\$3,090.00**

- | | |
|---|---------------|
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27). The fees indicated above are reduced by 1/2. | \$0.00 |
|---|---------------|

SUBTOTAL =**\$3,090.00**

Processing fee of \$130.00 for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492 (f)).	<input type="checkbox"/> 20	<input type="checkbox"/> 30	+
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\$0.00**TOTAL NATIONAL FEE =****\$3,090.00**

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).	<input type="checkbox"/>	
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\$0.00**TOTAL FEES ENCLOSED =****\$3,090.00**

Amount to be refunded	\$
charged	\$

- a. ☒ A check in the amount of **\$3,090.00** to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **50-0591**. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

ROSENTHAL & OSHA L.L.P.
1221 McKinney, Suite 2800
Houston, Texas 77010

Telephone: (713) 228-8600
Facsimile: (713) 228-8778

SIGNATURE

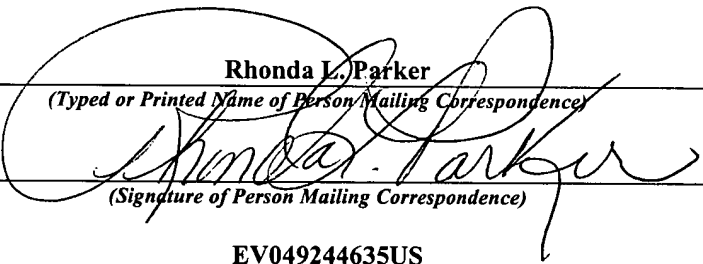
Jonathan P. Osha

NAME

33,986

REGISTRATION NUMBER

DATE

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10) Applicant(s): Sakae SHIBUSAWA, et al.			Docket No. 04730/003001	
Serial No. 10/030402	Filing Date January 8, 2002	Examiner	Group Art Unit	
Invention: SOIL MEASURING APPARATUS, SOIL MEASUREMENT ASSISTING DEVICE AND METHOD, RECORDING MEDIUM ON WHICH A PROGRAM IS RECORDED, RECORDING MEDIUM ON WHICH DATA IS RECORDED, APPLICATION AMOUNT CONTROLLER, APPLICATION AMOUNT DETERMINING DEVICE, METHOD FOR THEM, AND FARMWORK DETERMINATION ASSISTING SYSTEM				
<p>I hereby certify that the following correspondence:</p> <div style="border: 1px solid black; padding: 5px; min-height: 40px;">U.S. National Phase Application</div> <p style="text-align: center;"><i>(Identify type of correspondence)</i></p> <p>is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on</p> <p style="text-align: center;"><u>January 8, 2002</u> <i>(Date)</i></p> <div style="text-align: center; margin-top: 20px;"><div style="display: inline-block; text-align: left; width: 40%;">Rhonda L. Parker <i>(Typed or Printed Name of Person Mailing Correspondence)</i></div><div style="display: inline-block; text-align: center; width: 60%;"> <i>(Signature of Person Mailing Correspondence)</i></div></div> <div style="text-align: center; margin-top: 10px;">EV049244635US <i>("Express Mail" Mailing Label Number)</i></div>				
<p style="text-align: center;">Note: Each paper must have its own certificate of mailing.</p> <div style="text-align: center; margin-top: 20px;"><div style="border: 1px solid black; padding: 5px; display: inline-block;">EV049244635US</div></div>				